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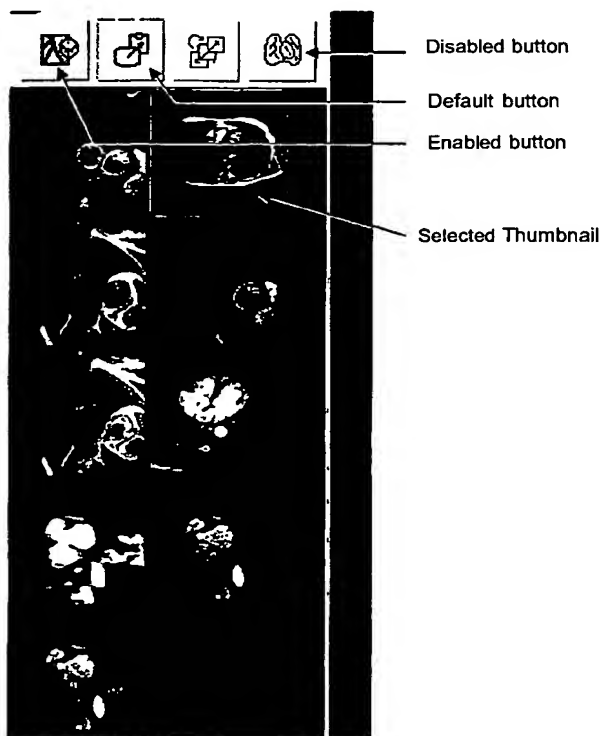
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(57) Abstract: The invention relates to a scintillation layer (20) for a PET-detector. The scintillation layer (20) consists of a plurality of scintillation elements (21) that are joined together in a practically gapless way and that are oriented towards the centre of curvature (24). Depending on the form of the scintillation layer (20), the scintillation elements (21) may have for example the form of a truncated wedge or pyramid.

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